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# DeepClassifier

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DeepClassifier is a python package based on pytorch, which is easy-use and general for text classification task.



## QUICKSTART

I will show you that how to install DeepClassifier.

### **installation**

```
`python pip install -u deepclassifier `
```





I will show you that the parameters of models.

## 2.1 TextCNN model

I will show you that the parameters of textcnn.

## 2.2 Initialization

class TextCNN(nn.Module):

```
def __init__(self,embedding_dim,dropout_rate, num_class,vocab_size=0,seq_length=0,
             num_layers=3,kernel_sizes=[3, 4, 5], strides=[1, 1, 1],paddings=[0, 0, 0], num_filters=[100,
             100, 100], embedding_matrix=None, requires_grads=False):
```

In default,the way to initialize embedding is loading pretrained embedding look-up table!

**param embedding\_dim** embedding dim

**param dropout\_rate** dropout rate

**param num\_class** the number of label

**param vocab\_size** vocabulary size

**param seq\_length** max length of sequence after padding

**param num\_layers** the number of cnn

**param kernel\_sizes** list of conv kernel size

**param strides** list of conv strides

**param paddings** list of padding

**param num\_filters** list of num filters

**param embedding\_matrix** pretrained embedding look-up table,shape is:[vocab\_size,embedding\_dim]

**param requires\_grads** whether to update gradient of embedding in training



## INDICES AND TABLES

- `modindex`
- `search`